MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION

ANNUAL CSO PROGRESS REPORT FOR 2002

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Permittee: _____ Contact Person: _____
Address: _____ Telephone No. _____
_____ NPDES/MEPDES Permit No. _____
_____ Maine License No. _____

1. Information on Combined Sewer System

   A. Current sewered population _____

   B. Current number of residential users _____

   C. Current number of commercial/industrial users _____

   D. Current average residential user charge _____ ($/year)

   E. Median Household Income (MHI) _____ ($/year)

   F. Current residential user charge is _____ % of MHI

   G. Original number of CSOs at beginning of abatement program _____

   H. Current number of CSOs _____

   I. Percent reduction of CSO points to date _____

   J. List any CSOs removed in reporting year

CSO #	Name
_____	_____
_____	_____
_____	_____

   K. Total sewer footage _____ feet

   L. Original % combined sewer to total _____%

   M. Current % combined sewer to total _____%

   N. Percent reduction of combined sewer _____%

2. CSO Progress

A. Current Approved Schedule. (If you have an approved schedule, it is attached as a paper.)

B. If existing schedule is behind the approved schedule, list the reasons why and how the permittee proposes to catch up in order to comply with the approved schedule.

C. List major accomplishments last year to reduce or abate CSOs

Project	Estimate of flow reductions
_____	_____
_____	_____
_____	_____
_____	_____

D. Costs:

1) Total original cost estimate for complete program from CSO Master Plan $ _____
2) Total cost of CSO abatement to date $ _____
3) Percent complete by cost (2 / 1 above) $ _____
4) Total SRF loans to date $ _____
5) Total cost of CSO projects in reporting year $ _____
6) Anticipated budget for CSO projects next year $ _____
7) Sewer O&M budget in reporting year $ _____
8) Anticipated sewer O&M budget for next year $ _____
9) Estimated CSO needs for next five years (include cost in no.6) $ _____

E. Private inflow sources:

1) Has a house to house survey been done? Yes _____ No _____
2) If yes, when? _____
3) If no, is one planned? _____
4) When? _____
5) Roof leaders removed date _____
6) Roof leaders removed in reporting year _____
7) Known roof leaders remaining in system _____
8) Basement sump pumps removed to date _____
9) Basement sump pumps removed in reporting year _____
10) Known sump pumps remaining in system _____
11) Number of known foundation drains to system _____
12) Do you charge a surcharge for private sources? Yes _____ No _____
13) If yes, how much? $ _____

F. Other inflow sources

1) Number of catch basins removed this year _____
2) Number of catch basins remaining in system _____
3) Wetlands/bogs draining to sewer? Yes _____ No _____
4) Streams intercepted by sewer? Yes _____ No _____
5) If yes to 3 or 4, what plans are there to deal with them? _____
_____
_____

G. Results of any specific flow monitoring to determine effectiveness of previous CSO abatement projects. Compare actual CSO abatement with projections made during the CSO Master Plan.
_____
_____
_____
_____

H. Yearly precipitation, CSO events, volumes, or block test data.
(Enter data on Excel spreadsheet Csoflows.xls)

I. Work done on the Nine Minimum Controls during the year.

1) Results of operation and maintenance (O&M) program for the sewer system and combined sewer system overflows during the year.

a. Who is responsible for combined sewer system O&M?

Name _____ Tel. No. _____
Title _____
Dept. _____
Size Staff _____

b. Inspection schedules

Number of CSO regulators _____ Inspector intervals _____
Number of tide gates _____ Inspector intervals _____
Number of pump stations _____ Inspector intervals _____
Number of CSO outfalls _____ Inspector intervals _____

c. Document the following activities that were performed and include the tons of debris removed last year from catch basins and sewers. (Not all activities may apply to your system. Please use N/A when appropriate.)

Catch Basin Cleaning

Total # of Basins Last Year	# of Basins Cleaned Last Year	Debris Removed
_____	_____	_____ Tons or cu. yds.

(Please attach cleaning schedule if available)

Sewer Cleaning

Total Combined Sewer	Footage Cleaned Last Year	Debris Removed
_____	_____	_____ Tons or cu. yds.

(Please attach cleaning schedule if available)

Pump Station Cleaning

Cleaning Frequency	Inspection Frequency
_____	_____

TV Work

Sewer Footage Televised	TV Frequency
_____ lin. ft.	_____

Smoke Testing

Sewer Footage Smoke Tested	Dates of Smoke Testing
_____ lin. ft.	_____

Infiltration/Inflow Study

Sewer Footage Study Was Performed On
_____ lin. ft.

2) Maximum Use of the Collection System for Storage

Maximum use of the collection system for storage means making relatively simple modifications to the combined sewer system to enable the system itself to store wet weather flows until downstream sewers and treatment facilities can handle them. The municipality should evaluate more complex modifications as part of the long-term control plan.

a. List any regulators or weirs that were adjusted last year to optimum settings for maximum storage.

_____
_____
_____
_____
_____

b. Document attempts last year to retard inflows to the system by use of special gratings or flow control type devices.

Number of Special Storm Drain Gratings Installed _____
Comments _____
_____
_____

Number of Flow Control Type Devices
Installed _____
Comments _____
_____
_____

c. Describe any tide gate maintenance and repair to eliminate tidal intrusions.

Tide Gate	Maintenance/Repair
_____	_____
_____	_____

Attach a schedule for implementation of any minor construction associated with maximizing the collection system for storage.

3) Review and Modification of the Industrial Pretreatment Program to Assure that CSO Impacts Are Minimized

The municipality should determine whether nondomestic sources are contributing to CSO impact and, if so, investigate ways to control them. The objective of this control is to minimize the impacts of discharges into combined sewer systems from significant nondomestic sources (i.e., industrial and commercial sources during wet weather events, and to minimize CSO occurrences by modifying inspection, reporting, and oversight procedures within the approved pretreatment program.

Fill in this section only if you have nondomestic source of wastewater.

Do you have an industry that significantly impacts a CSO? Yes _____ No _____

What measures or modifications were taken last year to insure that nondomestic sources are not contributing to CSO impacts. (Examples of measures: Inventory of nondomestic discharges to the combined sewer, assessment of nondomestic discharges on CSOs, evaluation of feasible modifications)

_____
_____
_____
_____
_____
_____
_____
_____

4) Maximization of Flow to the POTW for Treatment

Maximizing flow to the POTW entails simple modifications to the combined sewer system and treatment plant to enable as much wet weather flow as possible to reach the treatment plant. The objective of this minimum control is to reduce the magnitude, frequency, and duration of CSOs that flow untreated into receiving waters.

a. List any change, completed or planned last year to maximize flow to the POTW.

PLANNED PHYSICAL CHANGE	ESTIMATED COST	ESTIMATED COMPLETION DATE	ESTIMATED YEARLY DECREASE IN EVENTS	ESTIMATED YEARLY DECREASE IN VOLUME (MGD)

5) Prohibition of CSO Discharges During Dry Weather

This control includes all measures taken to ensure that the combined sewer system does not overflow during dry weather flow conditions. Dry weather overflow control measures include improved O&M as well as physical changes to regulator and overflow devices.

a. Did you have a dry weather overflow during the last year? Yes _____ No _____
If yes, explain.

_____
_____
_____
_____
_____
_____

b. What measures are planned to prevent further dry weather overflows?

_____
_____
_____
_____
_____
_____
_____
_____
_____

6) Control of Solid and Floatable Material in CSO Discharges

The intent of this control is to document that low cost control measures have been implemented which reduce solids and floatables discharged from CSOs to the maximum extent practicable.

a. List any of the following control measures that were implemented last year to reduce solids and floatables discharged from CSOs.

Baffles in regulators or overflow structures:
Number of Baffles Installed: _____ Success: Good ____ Fair ____ Poor ____

Trash Racks in CSO discharge structures:
Number of Trash Racks Installed: _____ Success: Good ____ Fair ____ Poor ____

Catch basin modifications:
Number of Modifications Installed: _____ Success: Good ____ Fair ____ Poor ____

End of pipe nets:
Number of Nets Installed _____ Success: Good ____ Fair ____ Poor ____

Litter Controls:
Liter Control: Yes ____ No _____ Success: Good ____ Fair ____ Poor ____

Other Controls:

Type of Control _____ Success: Good ____ Fair ____ Poor ____

The estimated amount of solids and floatables removed last year by implementing the above control measures.
_____ tons or cu. yds.

(Attach any schedules and associated costs for implementation of this control.)

7) Pollution Prevention Programs That Focus on Contaminant Reduction Activities

The seventh minimum control, pollution prevention, is intended to keep contaminants from entering the combined sewer system and thus receiving water via CSOs.

a. Document any of the following efforts last year to implement this control.

Public education or increased awareness programs that encourage water conservation and could decrease dry weather sanitary flow to the POTW and increase the volume of wet weather flows that can be treated at the POTW.

_____
_____
_____
_____
_____

The placement of garbage receptacles, more efficient garbage collection, or through public education you have implemented.

_____
_____
_____
_____
_____

Street sweeping efforts with estimate of material removed. _____ tons or cu. yds.

_____
_____
_____
_____

Anti-litter campaigns; campaigns through public outreach and public service announcements employed to educate the public about effects of littering, over fertilizing, pouring used motor oil down catch basins, etc.

_____
_____
_____
_____
_____

Efforts to eliminate illegal dumping. Programs such as law enforcement and public education aimed at controlling illegal dumping of litter, tires, and other materials into water bodies or onto the ground.

_____
_____
_____
_____
_____

b. Does the community have a hazardous waste collection program? Yes _____ No _____
If yes, how often is it done and how much hazardous waste is collected?

_____
_____
_____
_____
_____

c. List and describe any measures planned or implemented for the installation of best management practices (BMP) to reduce pollutants in stormwater runoff.

_____
_____
_____
_____
_____

d. List and describe other pollution prevention measures planned for implementation and the names of individuals or departments responsible. Attach any schedules and cost estimates associated with this control.

_____
_____
_____
_____
_____

8) Public Notification to Ensure That the Public Receives Adequate Notification of CSO Occurrences and CSO Impacts

The objective of this control is to ensure that the public receives adequate notification of CSO impacts on pertinent water use areas. Of particular concern are beach and recreational areas that are affected by pollutants discharged in CSOs.

a. Locations where signs are posted.

CSO outfalls: _____
Other: _____
_____

b. List dates of CSO informational public hearings or meetings last year.

_____
_____
_____
_____

c. List any other measures to inform the public that occurred last year.

_____
_____
_____
_____

9) Monitoring to Effectively Characterize CSO Impacts and the Effectiveness of CSO Controls

The ninth minimum control involves visual inspection and other simple methods to determine the occurrence and apparent impacts of CSOs. This minimum control is an initial characterization of the combined sewer system to collect and document information on overflow occurrences and known water quality problems and incidents, such as beach or shellfish bed closures, that reflect use impairments caused by CSOs. Changes in the occurrences of such incidents can provide a preliminary indication of the effectiveness of the Nine Minimum Controls.

a. Check off and fill in information on the following monitoring methods used in overflow structures:

Flow Meters

Locations	Frequency Data Collected
_____	_____
_____	_____

_____ _____
_____ _____

Blocks

Locations	Inspection Frequency
_____	_____
_____	_____
_____	_____
_____	_____

Chalklines

Locations	Inspection Frequency
_____	_____
_____	_____

Other monitoring methods?

_____
_____

b. Was a SWMM model developed? Yes _____ No _____
Is the model used to report occurrences? Yes _____ No _____
Has it been updated to reflect changes: Yes _____ No _____

c. CSO impacts to swimming beaches and shellfishing areas.

List any swimming beaches that may be impacted by your CSOs.

_____
_____

Does your community or other entity test the water quality at beaches or near your CSOs?
Yes _____ No _____ Frequency? _____

If yes, list dates of test and results

Dates	Results
_____	_____
_____	_____
_____	_____

Any beach closing last year? Yes _____ No _____
Were they caused, in whole or in part by CSOs? Yes _____ No _____

What are the procedures for notifying the public of beach closures?

_____
_____

List any shellfishing areas that may be impacted by your CSOs Area

Open	Conditionally Opened	Closed
_____	_____	_____
_____	_____	_____

Any shellfish areas closed last year? Yes _____ No _____
If yes, list dates:

_____
_____
_____

If yes, were the closures caused, in whole or in part by CSOs? Yes _____ No _____

Please provide a map showing any swimming beaches or shellfish area that may be impacted by your CSOs.

Please provide results of any receiving water quality tests or CSO sampling tests done last year.

J. List any sewer extensions and new commercial or industrial flows added during the year, along with any mitigating measures implemented to prevent these flows from contributing to CSO flows.

_____
_____
_____
_____
_____

K. To assist the DEP in making this form easier to use in future years, please list your computer capabilities:

Processor capability: _____

Operating system (Windows version): _____

Word processing program and version: _____

Spreadsheet program and version: _____

Database program and version: _____

E-mail capability and address: _____

Do you plan to upgrade hardware or software in 2002, and if so with what?
(Note: DEP uses Windows 95 and Office 97 with Word, Excel and Access)

_____
_____
_____
_____

Please add any other information on CSOs that you feel is important, but the form did not allow for.

_____
_____
_____
_____
_____
_____
_____
_____